



Microbolometer Focal Plane Array Methods And Circuitry

William J. Parrish; Jeffrey L. Heath; Naseem Y. Aziz; Joseph Kostrzewa; George H. Poe
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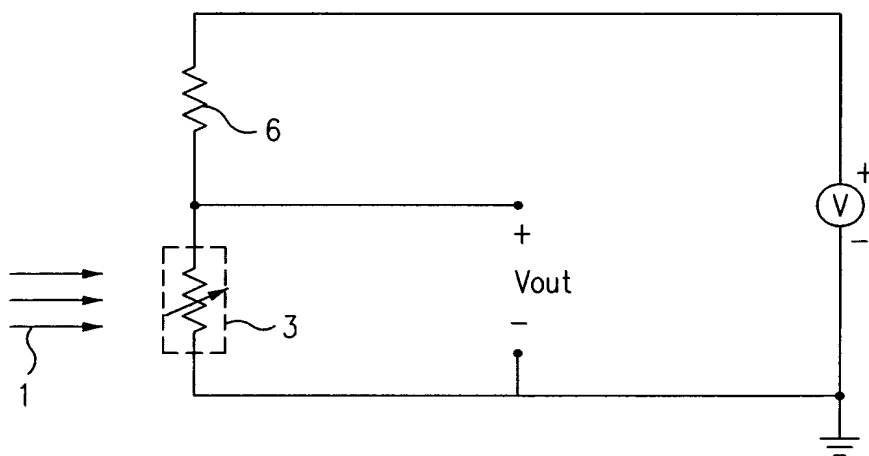


FIG. 1
(PRIOR ART)

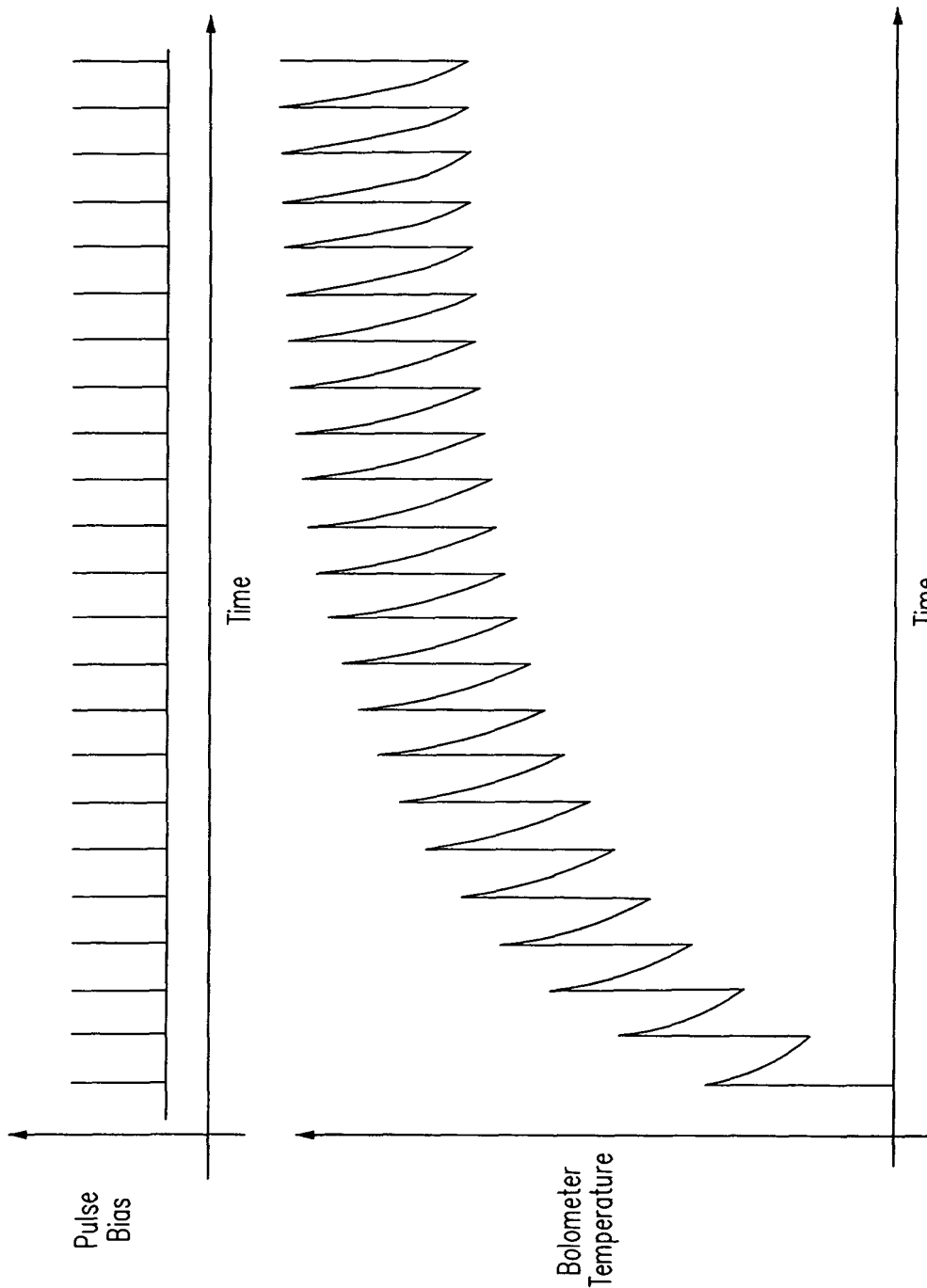


FIG. 2

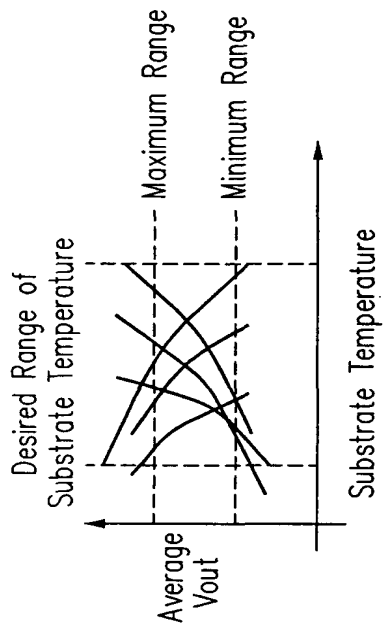


FIG. 5

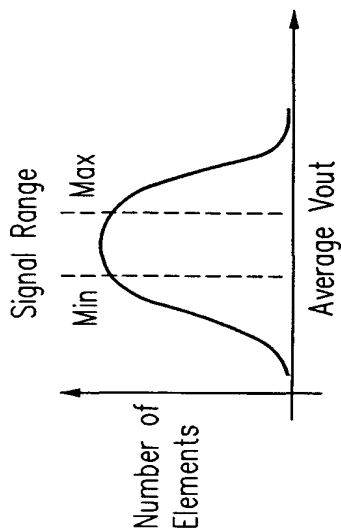


FIG. 6

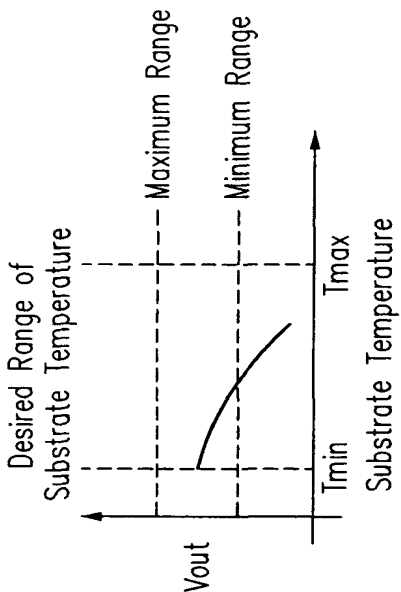


FIG. 3

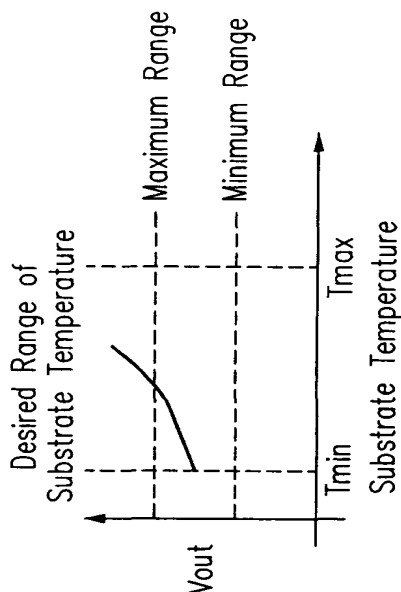


FIG. 4

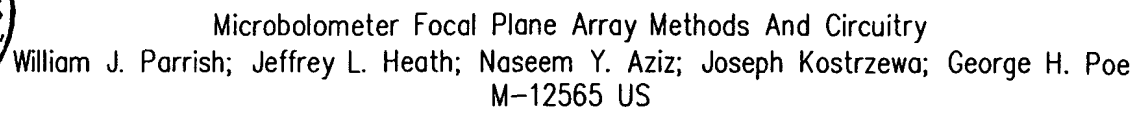


FIG. 7a



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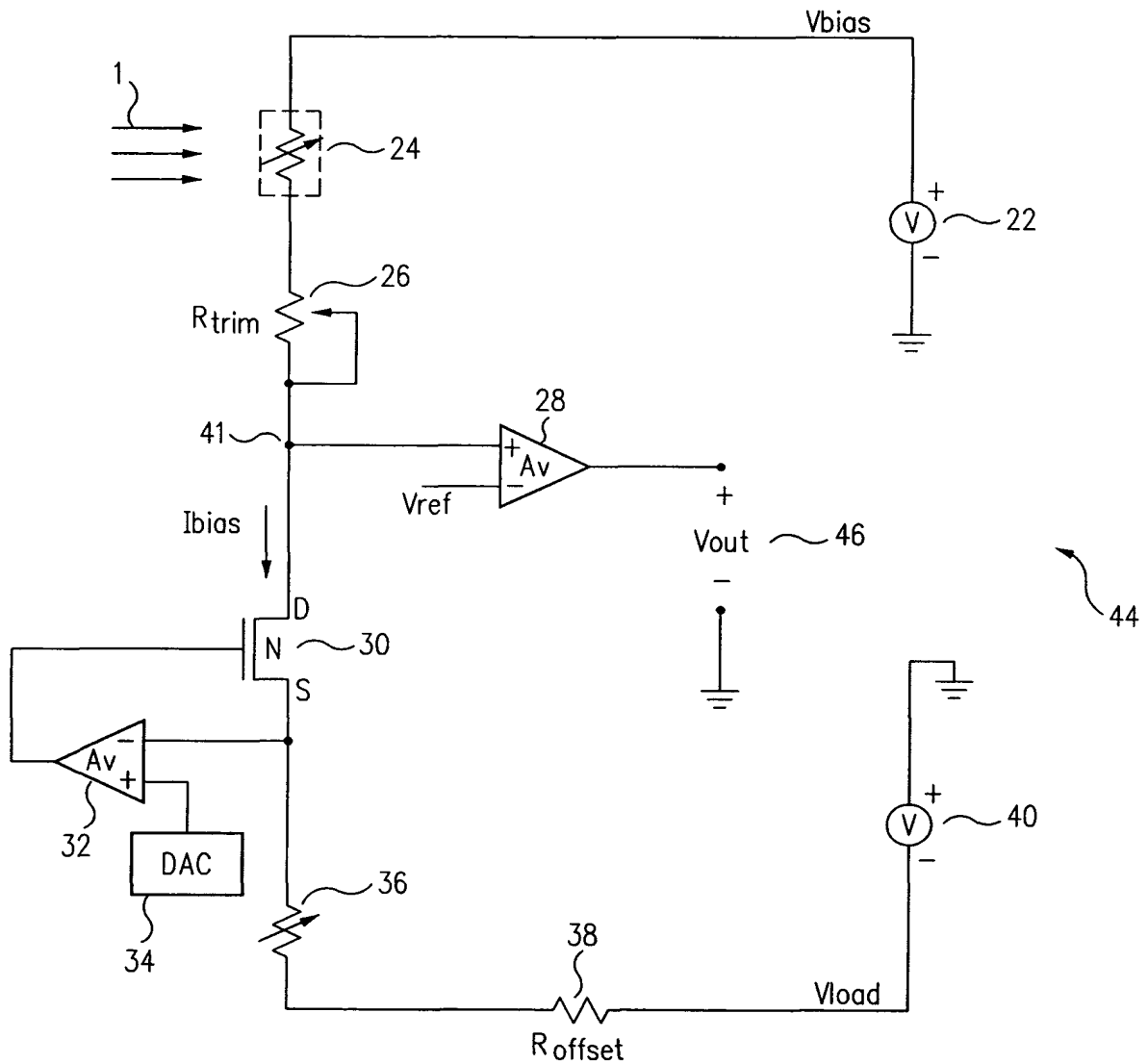


FIG. 7b

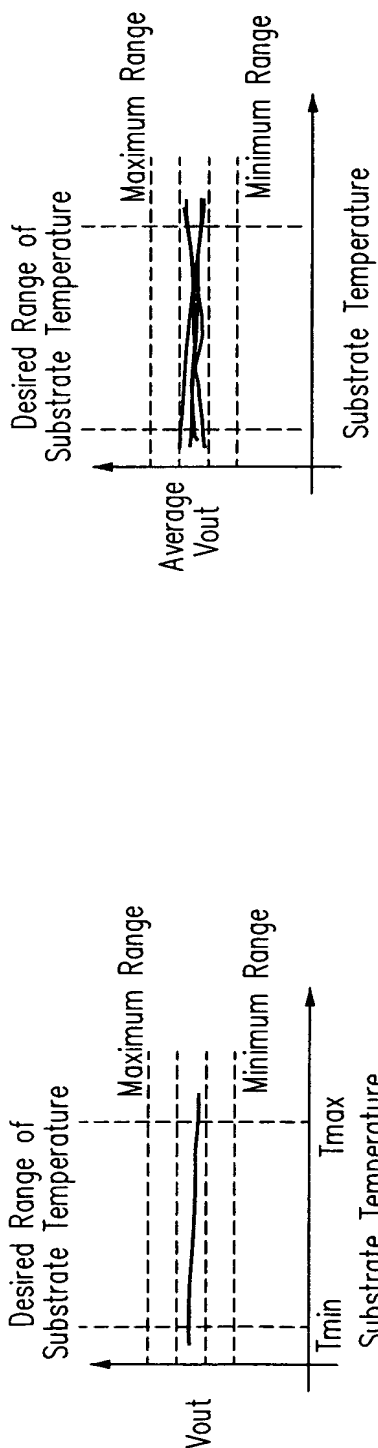


FIG. 8

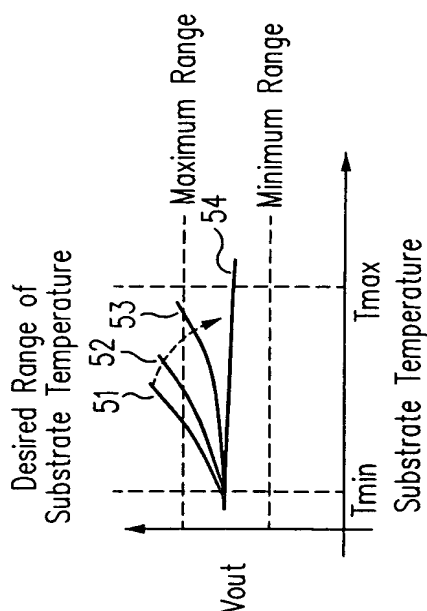


FIG. 9

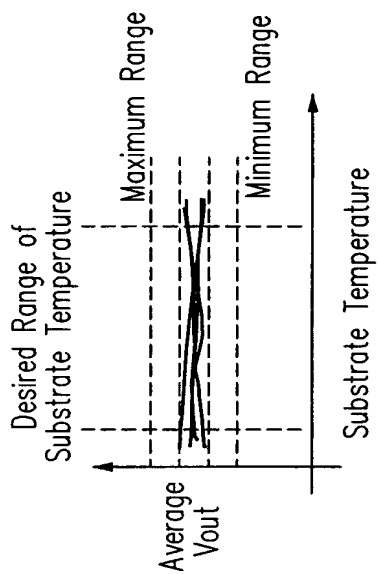


FIG. 10

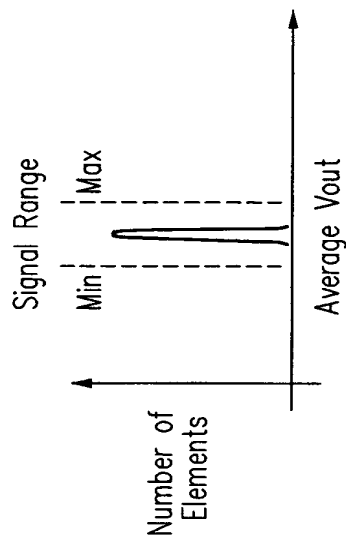


FIG. 11



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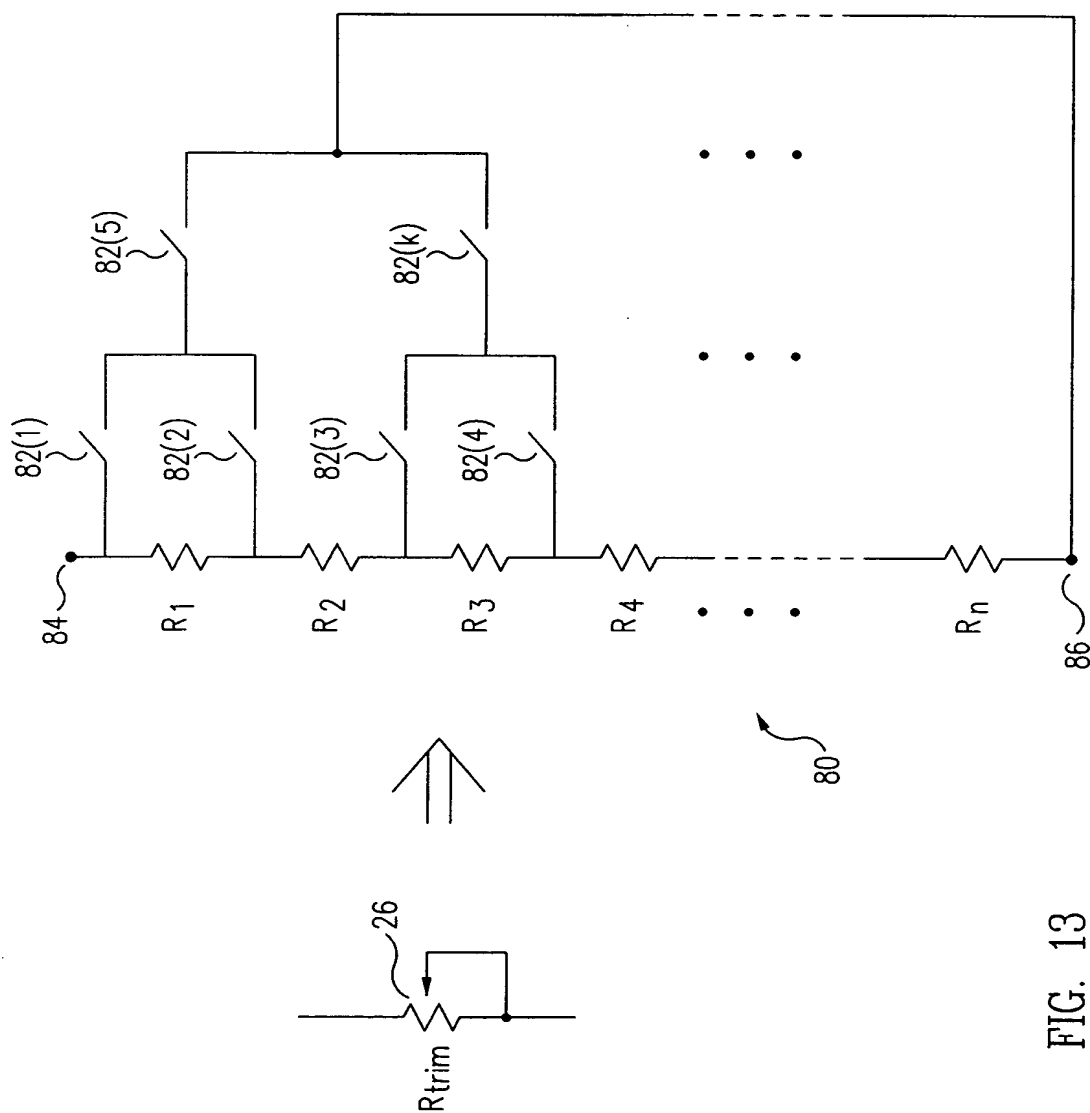
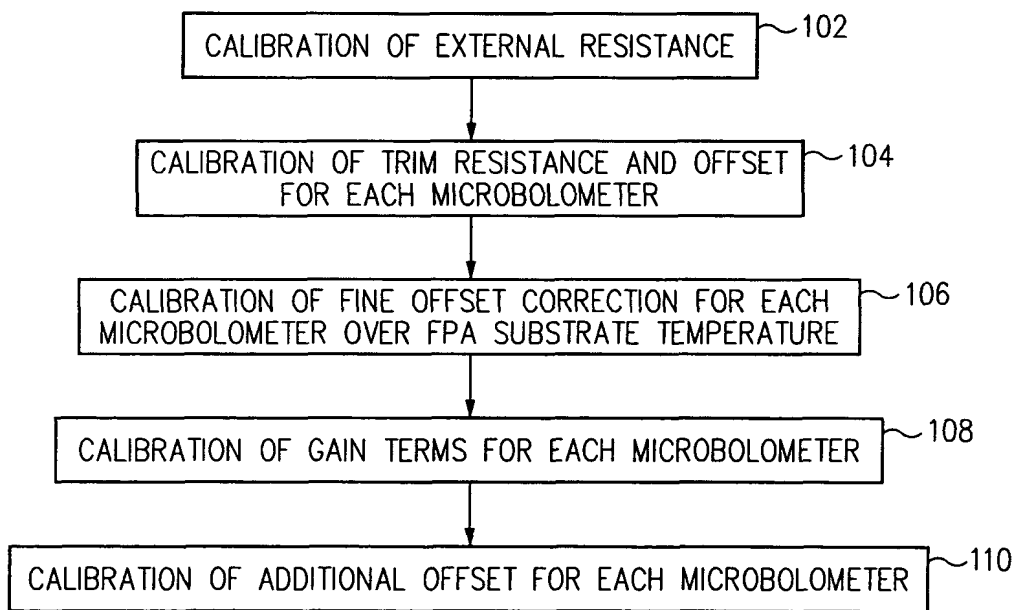
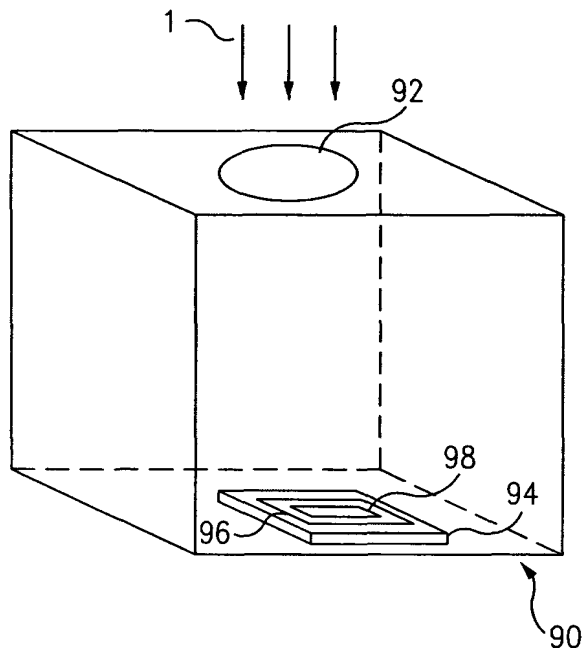


FIG. 13



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FIG. 14



100

FIG. 15



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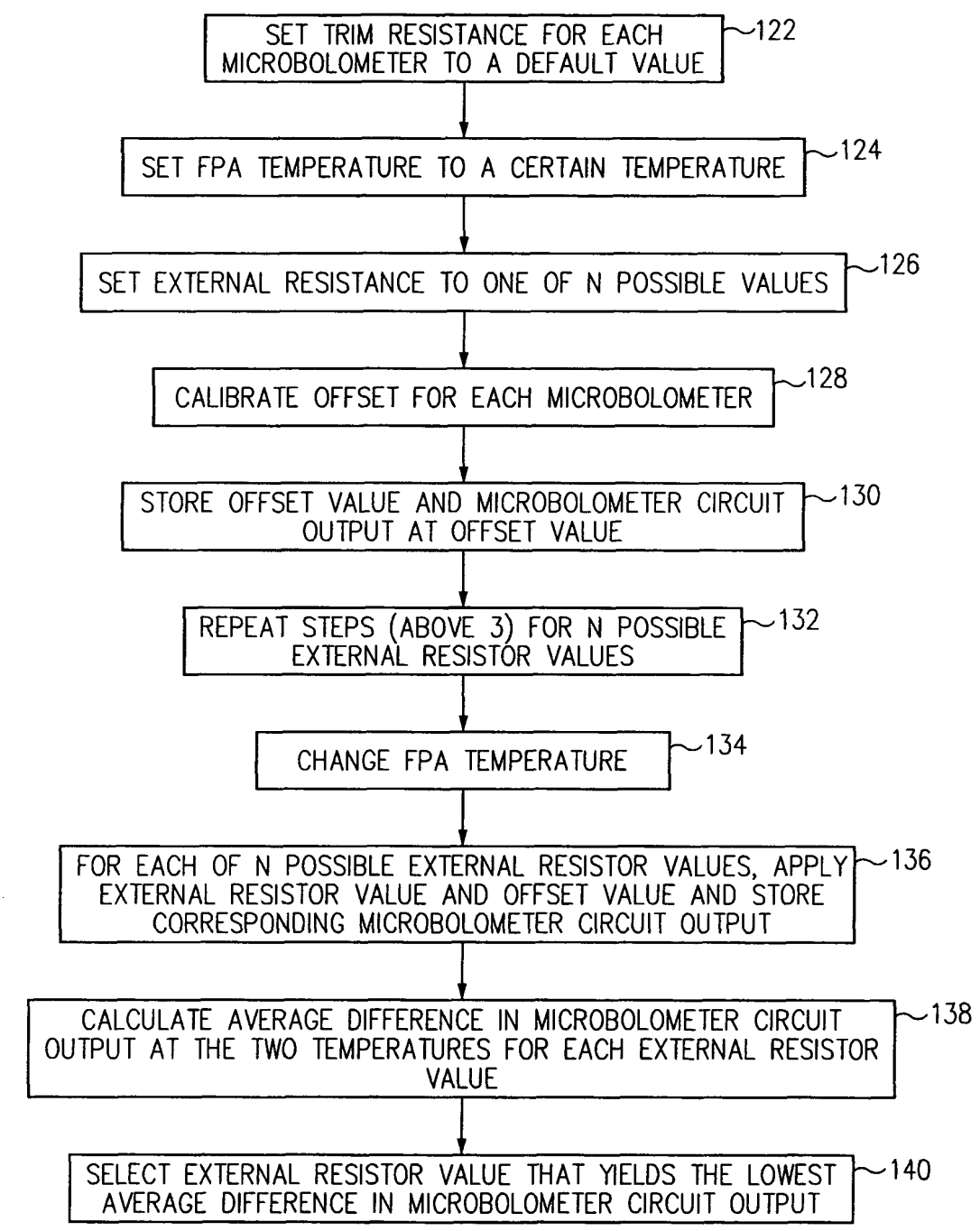


FIG. 16



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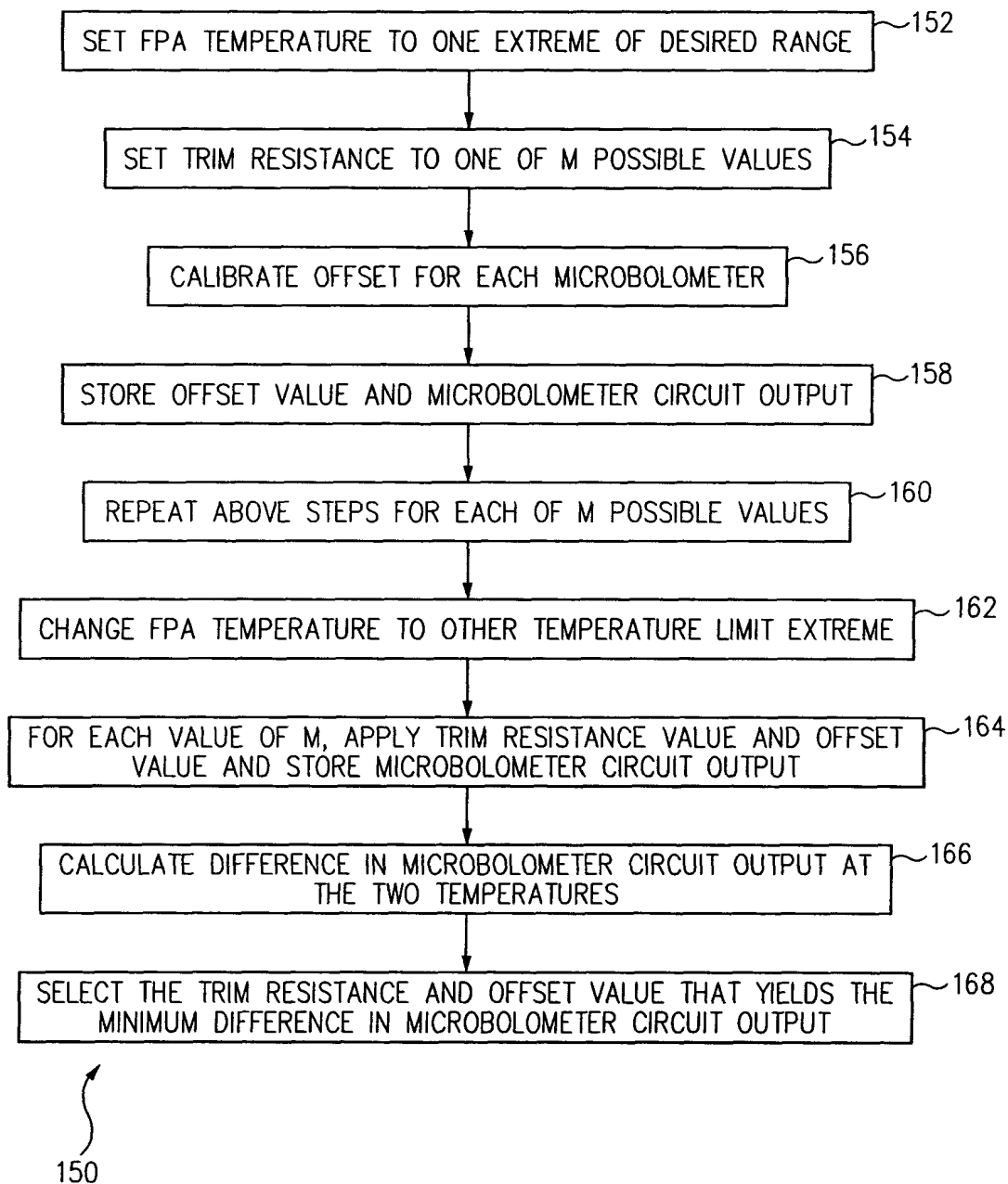


FIG. 17



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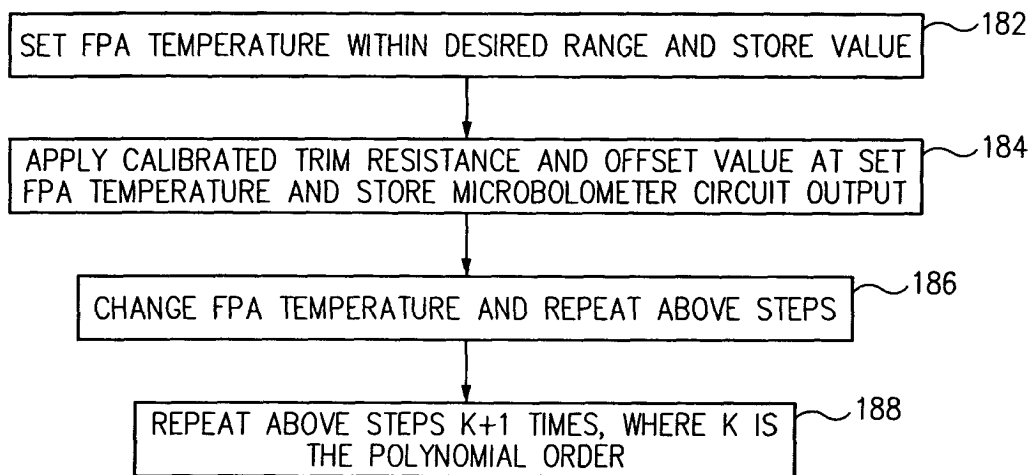


FIG. 18

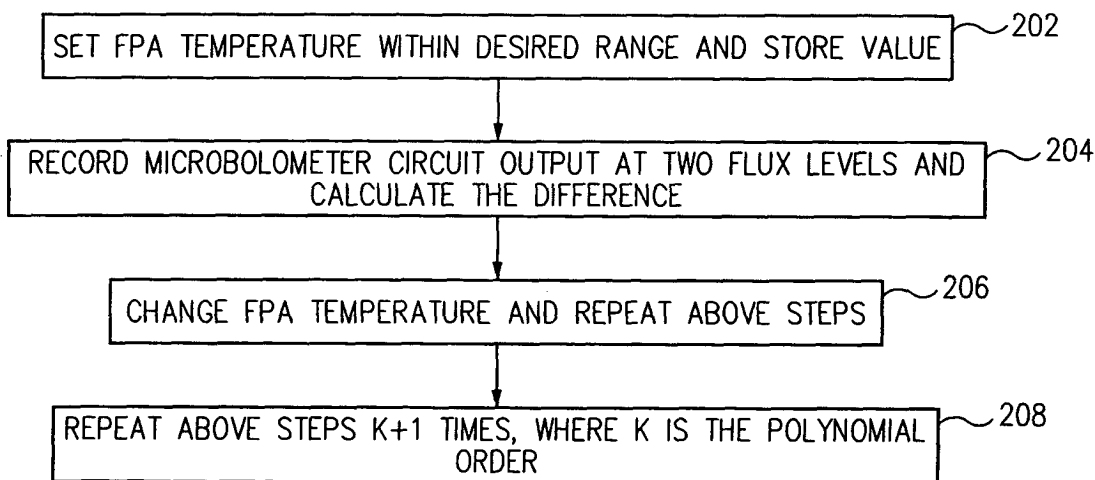


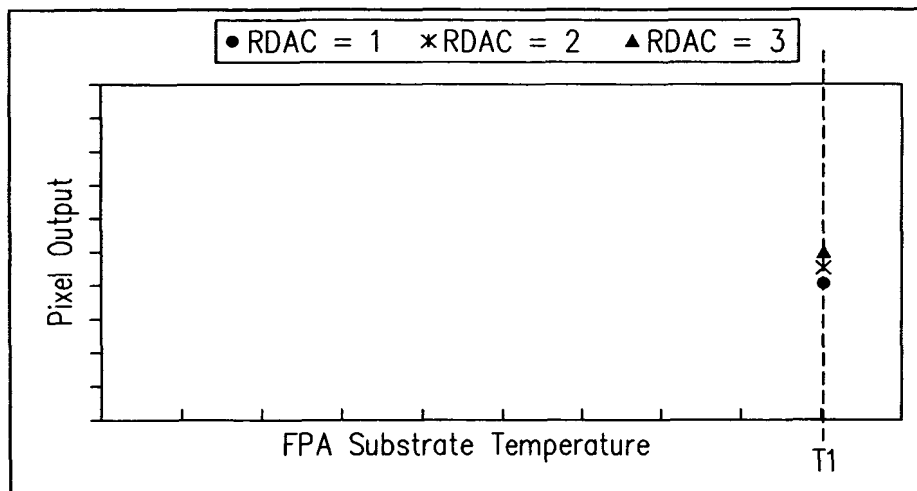
FIG. 19



Microbolometer Focal Plane Array Methods And Circuitry

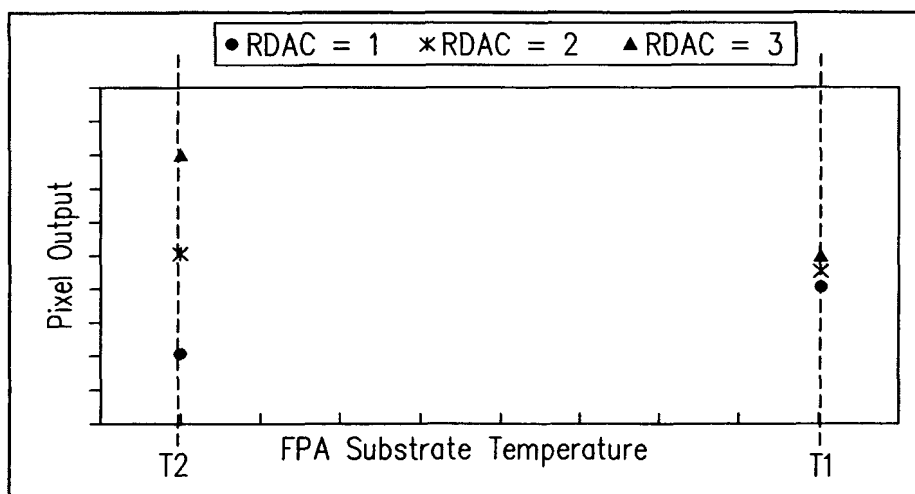
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RDAC value	ODAC value	Pixel output value at T1
1	ODAC ₁	40%
2	ODAC ₂	45%
3	ODAC ₃	50%

FIG. 20



RDAC value	ODAC value	Pixel output value at T1	Pixel output value at T2
1	ODAC ₁	40%	20%
2	ODAC ₂	45%	50%
3	ODAC ₃	50%	80%

FIG. 21

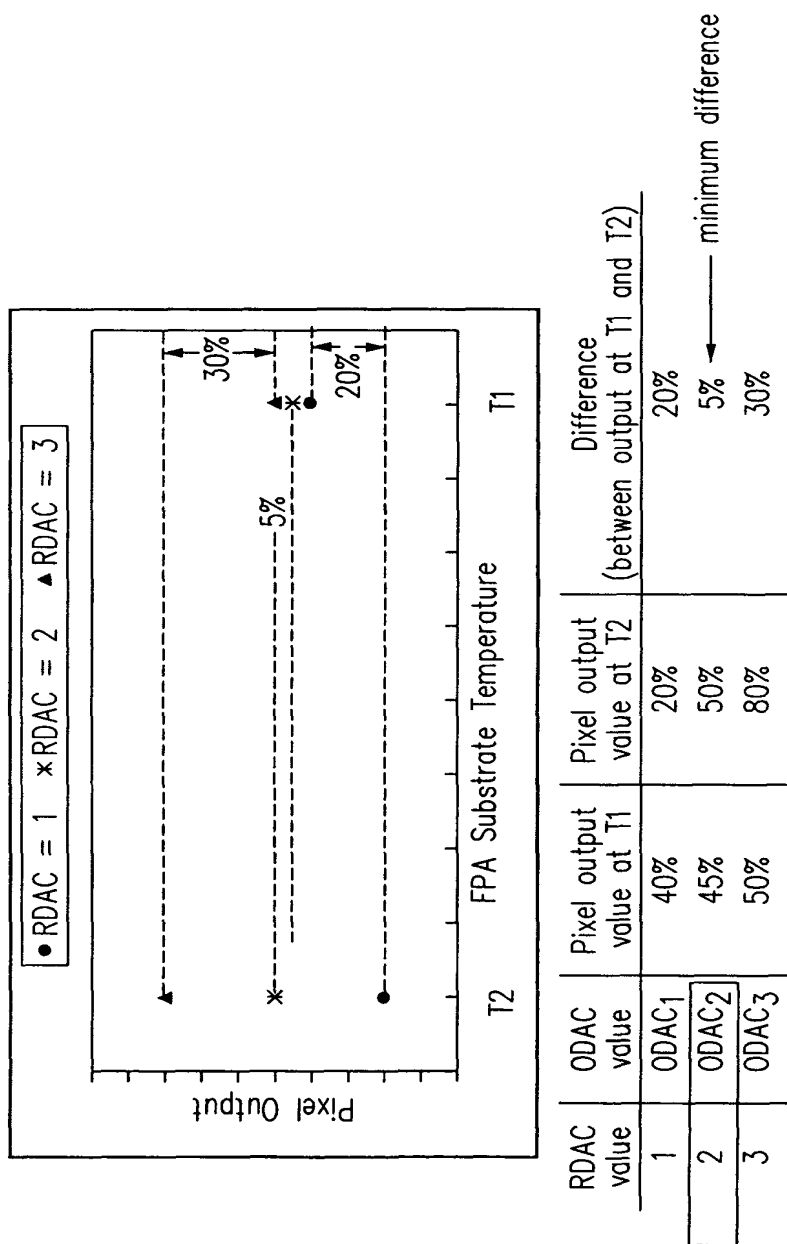


FIG. 22

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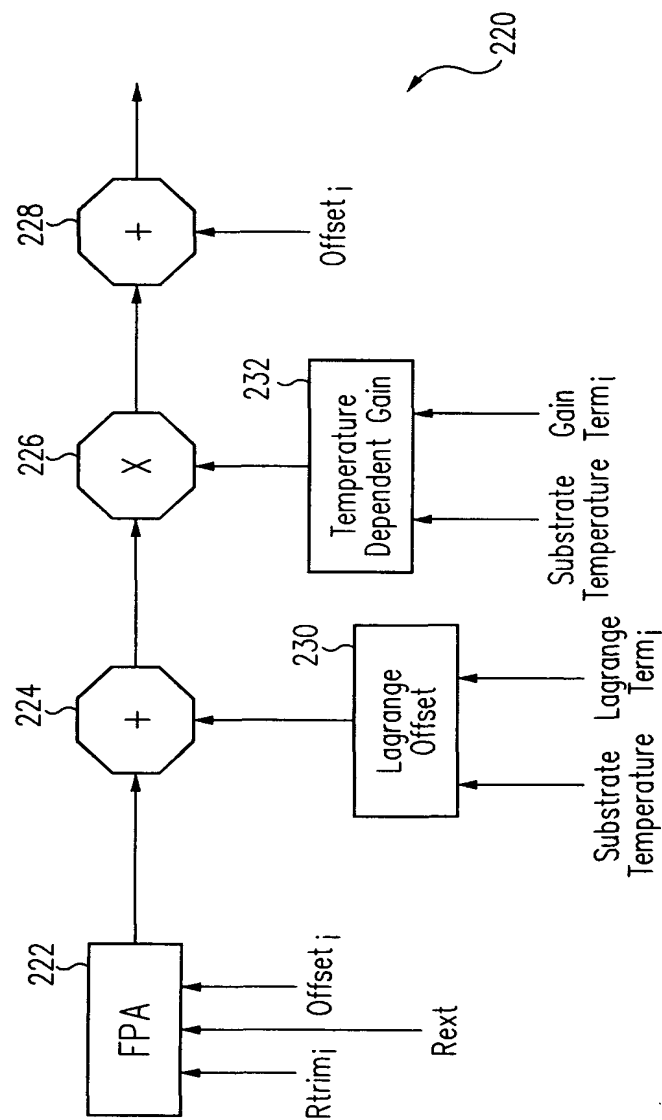


FIG. 23



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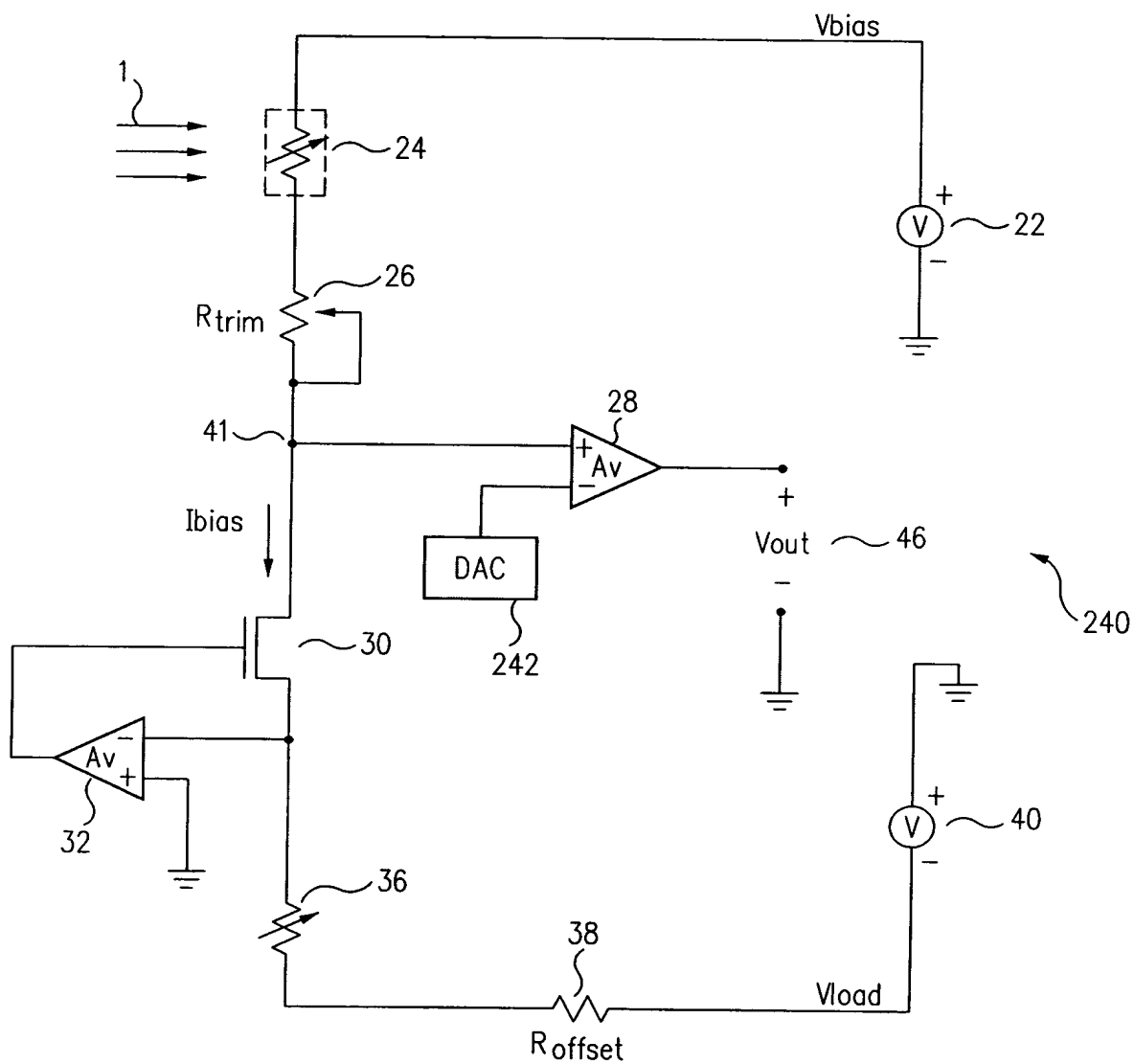
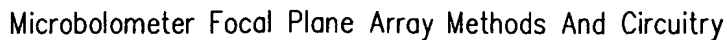
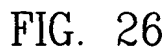


FIG. 24

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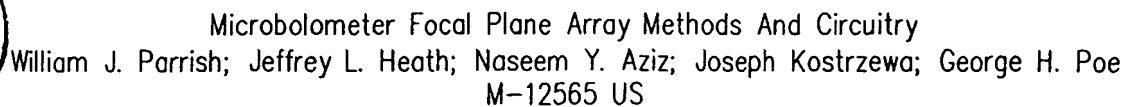


FIG. 27

